

Title (en)  
Vapour discharge lamp.

Title (de)  
Dampfentladungslampe.

Title (fr)  
Lampe à décharge à vapeur.

Publication  
**EP 0225944 A1 19870624 (EN)**

Application  
**EP 85308818 A 19851204**

Priority  
ZA 859137 A 19851128

Abstract (en)  
A metallic vapour discharge lamp has a luminous tube (10) constituted by a translucent ceramic tubular member (11), end caps (12,13) hermetically fixed to both ends of the translucent ceramic tubular member (11), and electrode-supporting tubes (12,13) hermetically inserted into respective end caps (12,13). One electrode-supporting tube (12) serves also as an exhaust tube for evacuation and also as a reservoir for a metal (20) charged into the luminous tube. The outer end extremity of this electrode-supporting tube (12) is hermetically sealed (at 14a) through fusion by application of heat. This hermetic seal (14a) is formed by fusing the end of the electrode-supporting tube by application of heat thereto, while keeping a heat-shielding/absorbing plate held in close contact with the electrode-supporting tube.

IPC 1-7  
**H01J 61/36**; **H01J 9/40**

IPC 8 full level  
**H01J 9/40** (2006.01); **H01J 61/30** (2006.01)

CPC (source: EP US)  
**H01J 9/40** (2013.01 - EP US); **H01J 61/30** (2013.01 - EP US)

Citation (search report)  
• [X] US 3642340 A 19720215 - YAMANE MIKIYA, et al  
• [A] GB 2156147 A 19851002 - IWASAKI ELECTRIC CO LTD  
• [A] GB 1168145 A 19691022 - WESTINGHOUSE ELECTRIC CORP [US]

Cited by  
US5620349A; US5343117A; EP0374676A3; WO2010063517A3

Designated contracting state (EPC)  
BE DE FR GB NL

DOCDB simple family (publication)  
**EP 0225944 A1 19870624**; **EP 0225944 B1 19900228**; US 4827190 A 19890502; ZA 859137 B 19860616

DOCDB simple family (application)  
**EP 85308818 A 19851204**; US 80471385 A 19851202; ZA 859137 A 19851128